

Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Brushy Creek

Water Body Identification #: 859

Completed UAA Checklist:

- ☒ Pre-Field Preparatory Data Sheet
- ☒ Maps with actual survey sites marked
- ☒ Data Sheet A
- ☒ Data Sheet B – 3 of 3 pages for each site
 - Number of Sites: 6
- ☒ Data Sheet C (if applicable)
 - Number of Interviews: 0
- ☒ Photographs
 - Quantities
 - Upstream 6
 - Downstream 6
 - Other 9

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.

Signed: AC Gallardo Date: 07/19/2006
Printed Name: Carolina Gallardo Telephone #: (410) 356-8993
Organization: Ultra Tech, INC Position: Scientist

Pre-Field Preparatory Data Sheet
for Recreational Use Stream Surveys

| | | |
|---|-----|--|
| Water Body Name: (from USGS 7.5' quad) | | Brushy Creek |
| 8-digit HUC: | N/A | Missouri Water Body Identification (WBID) #: 859 |
| County: Pettis | | |
| Upstream Legal Description: | | |
| Downstream Legal Description: | | |
| Discharger Facility Name(s): Sedalia Central WWTF | | |
| Discharger Permit Number(s): MO0023019 | | |
| Weather Conditions for Past 7 days: Hot, sunny, humid | | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # 859

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Date: 07/19 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

| | |
|--|---------------------------------|
| Water Body Name: | Brushy Creek |
| WBID #: | 859 |
| Upstream Coordinates: (WGS 84, ddd.ddddd) | 38.71419, 93.26294 (site 703) |
| Downstream Coordinates: (WGS 84, ddd.ddddd) | 38.74523, 93.28110 (site 698-R) |
| Current Weather Conditions: | Hot, sunny, humid |
| Number of Sites Evaluated: | 3 regular, 3 re-visits |
| Name(s) of Surveyor(s): | Carolina Gallardo, Alex DeVire |

Brushy Cr. & Sewer Br.

T DeLorme Topo USA 4.0 - Untitled 2

HELP

Topo USA
4.0

Zoom Level

11.6

Rotation:

0° (N)

Latitude

1138.7488°

Longitude

W93.1828°

Elevation

851 feet

Indicates the elevation under the map cursor.

Magnify:

100%

0 ft 2500

Find Print MapData Draw GPS Route Profile 3-D Map Display NetLink

QuickSearch

Advanced results for:

Advanced

Pettis County, MO

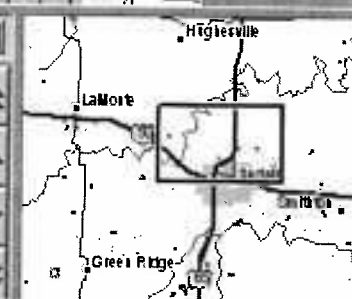


MapTags

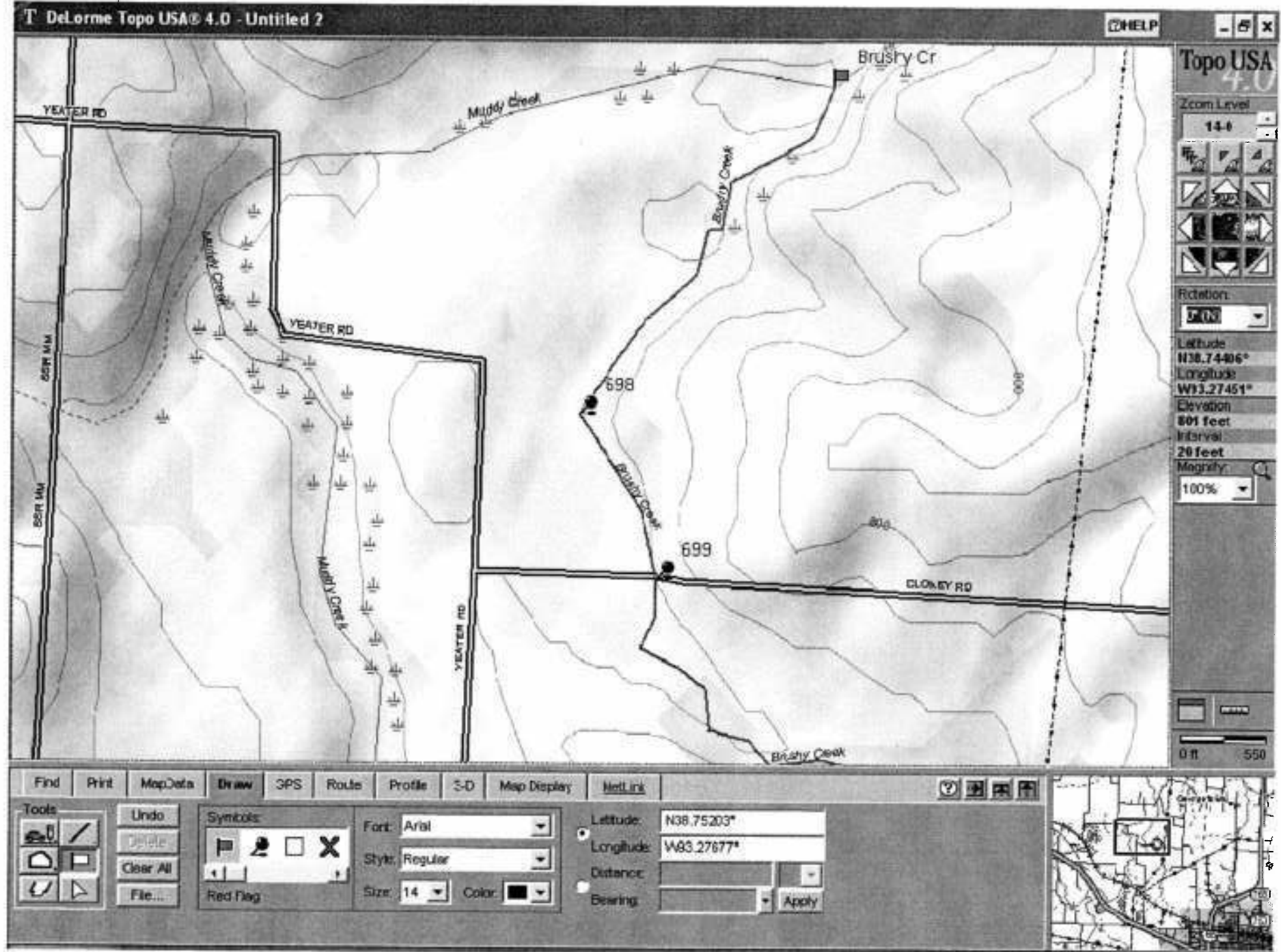
New Search

Go To

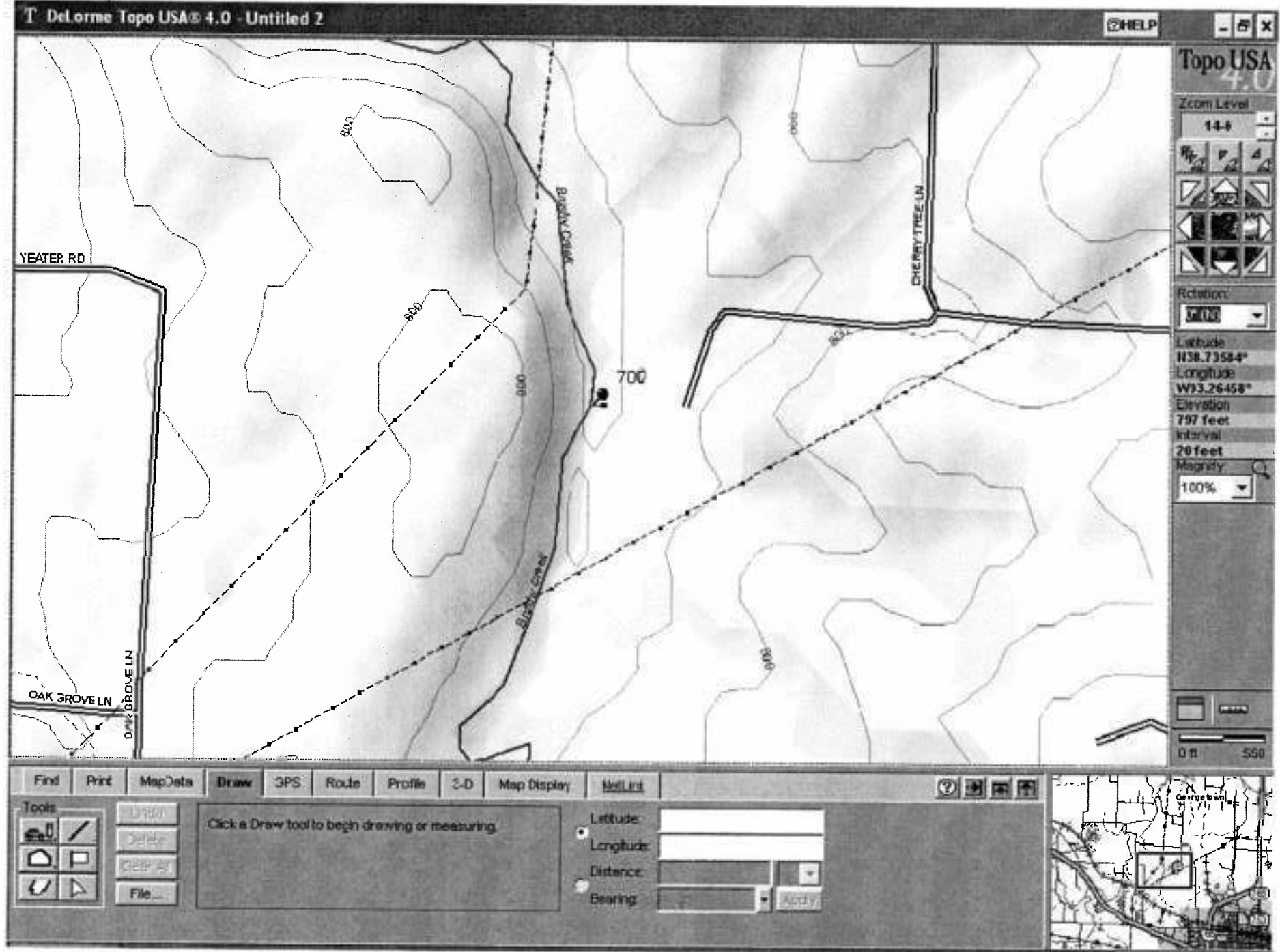
| Name | City/Town | State | ZIP Code | US County | Category |
|-----------------|-----------|---------|----------|---------------|--------------------|
| Pettis County | | MO (... | | Pettis County | US County (Re... |
| Pettis township | | MO (... | | Pettis County | Township or Di... |
| Petty Hollow | Udell | MO (... | 65766 | Ozark County | Other Land Fee |
| Petty Spring | Udell | MO (... | 65766 | Ozark County | Spring (Water f... |



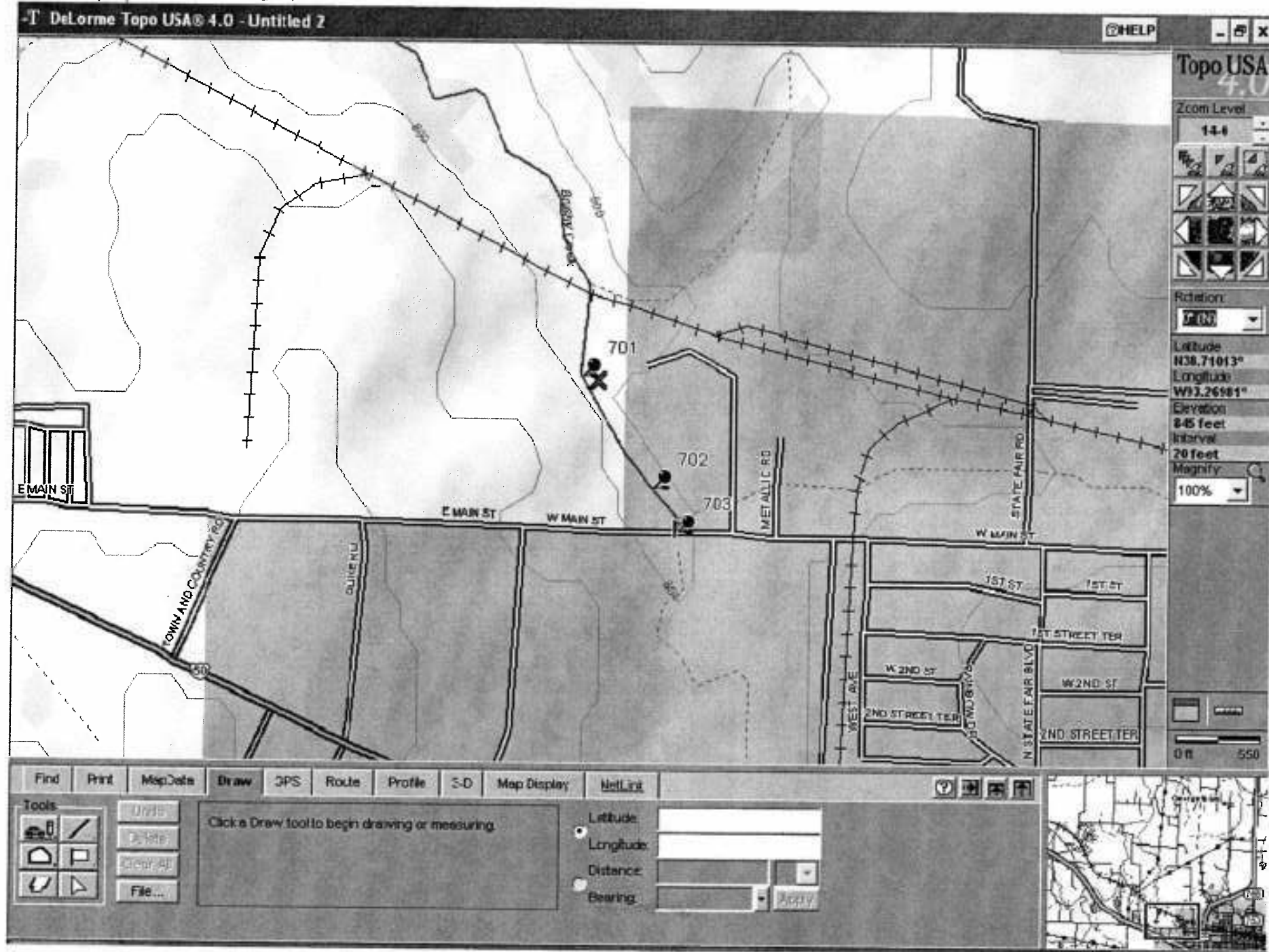
Brushy Cr 859



Brushy Cr 859



Brushy Cr 859



WBID # 859 Site # 698

3

Date: 07/19/2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**

(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------|
| Latitude (ddd.dddd): <u>38.74516</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>093.28102</u> ACC: <u>26.0 FT.</u> | <u>1450</u> |
| Photo Ids: Upstream: <u>0782</u> Downstream: <u>0783</u> Other: | |
| <u>0784 - FENCE</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)150M DOWNSTREAM OF CLONEY ROAD CROSSING.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE - 0784</u> | |

PHOTO 0784**Human Uses Observed*:**

| | | | | |
|--|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) | | | | |

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>NONE</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)AGRICULTURE - PHOTO 0784QC: 07-19-06
[Signature]

WBID # 359 Site # 698

4

Date: 07/19/2006

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.57, 0.45, 0.55m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input checked="" type="checkbox"/> Run | <u>150</u> | <u>7.6</u> | <u>25</u> | <u>0.52</u> | <u>0.57</u> |
| <input type="checkbox"/> Pool | | | | | |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m = 8.5</u> | | | | | |

Downstream View Physical Dimensions: 0.64, 0.65, 0.62m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>150</u> | <u>4.8</u> | <u>30</u> | <u>0.64</u> | <u>0.65</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m = 7.5</u> | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|--------------------|------------------|--------|------------|-----------|
| <u>10</u> % Cobble | <u>80</u> % Gravel | <u>10</u> % Sand | % Silt | % Mud/Clay | % Bedrock |
|--------------------|--------------------|------------------|--------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 851 Site # 618

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Date: 07 / 19 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 859 Site # 648

6

Date: 07 / 19 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 859 Site # 699

3

Date: 07 / 19 / 2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**

(A separate Data Sheet B must be completed for each site)

| | | |
|---|-------------------------|---------------|
| Latitude (ddd.dddd): <u>33.74357</u> | | Arrival Time: |
| Longitude (ddd.dddd): <u>093.28060</u> Alt: <u>24.0</u> | | <u>1430</u> |
| Photo Ids: Upstream: <u>0775</u> | Downstream: <u>0776</u> | Other: |
| <u>0777 - SIGN</u> <u>0778 - TRASH</u> | | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)AT CLONEY ROAD CROSSING.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input checked="" type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE</u> | |

SEE PHOTO 0777**Human Uses Observed*:**

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>TRASH - SEE PHOTO 0778</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)AGRICULTURE -07-19-2006

WBID # 859 Site # 619

4

Date: 07 / 19 / 2016

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.36, 0.34, 0.35~

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | <u>30</u> | <u>4.9</u> | <u>30</u> | <u>0.35</u> | <u>0.36</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m = 8.5</u> | | | | | |

Downstream View Physical Dimensions: 0.61, 0.57, 0.50m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>25</u> | <u>4.7</u> | <u>25</u> | <u>0.56</u> | <u>0.61</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m = 4.5</u> | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|--------------------|--------|--------|------------|---------------------|
| <u>10</u> % Cobble | <u>60</u> % Gravel | % Sand | % Silt | % Mud/Clay | <u>30</u> % Bedrock |
|--------------------|--------------------|--------|--------|------------|---------------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>SAND</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 859 Site # 699

5

Date: 07 / 19 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 859 Site # 699

6

Date: 07 / 19 / 2006

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 859 Site # 700

3

Date: 07 / 19 / 2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization – 1 of 3**

(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------------------|
| Latitude (ddd.dddd): <u>39.74230</u> | Arrival Time: <u>1450</u> |
| Longitude (ddd.dddd): <u>093.28083</u> <u>Alt: 39.4 FT.</u> | |
| Photo Ids: Upstream: <u>0779</u> Downstream: <u>0780</u> Other: <u>0781 - FENCE</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)150 M UPSTREAM OF CLONGY ROAD CROSSING.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|--|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input checked="" type="checkbox"/> Fence | <input checked="" type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>AGRICULTURE</u> | |

SEE PHOTO 0781**Human Uses Observed*:**

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>NONE</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)AGRICULTURE

Q6: 07-19-2006
[Signature]

WBID # 959 Site # 700

4

Date: 07 / 19 / 2016

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.46, 0.45, 0.48m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>150</u> | <u>3.8</u> | <u>35</u> | <u>0.46</u> | <u>0.48</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m=75</u> | | | | | |

Downstream View Physical Dimensions: 0.47, 0.46, 0.38m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>150</u> | <u>5.1</u> | <u>12</u> | <u>0.44</u> | <u>0.47</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------------|--------------------|--------|--------|------------|---------------------|
| <u>5</u> % Cobble | <u>25</u> % Gravel | % Sand | % Silt | % Mud/Clay | <u>70</u> % Bedrock |
|-------------------|--------------------|--------|--------|------------|---------------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

None

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 959 Site # 700

5

Date: 07 / 14 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 859 Site # 700

6

Date: 07 / 19 / 2016

none

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 859 Site # 701

3

Date: 07/19/2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization – 1 of 3**

(A separate Data Sheet B must be completed for each site)

| | |
|---------------------------------------|-------------------------|
| Latitude (ddd.dddd): <u>38.71593</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>93.26468</u> | <u>1255</u> |
| Photo Ids: Upstream: <u>1209</u> | Downstream: <u>1210</u> |
| Other: <u>1212</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)~260 m DS of Main Street bridge crossing.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>WWTP</u> | |

Human Uses Observed*:

| | | | | |
|--|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) | | | | |

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>Trash (1212)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

| |
|---------------------|
| <u>Trash (1212)</u> |
|---------------------|

QC: AD

WBID # 859 Site # 701

4

Date: 07/19/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 250 | 5.5 | 10 | 0.1 | 0.2 |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>0.05 m/sec</u> | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 275m | 6.0m | 15m | 0.3m | 0.35m |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>0.1 m/s</u> | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|-------------|-------------|--------|--------|------------|--------------|
| 20 % Cobble | 40 % Gravel | % Sand | % Silt | % Mud/Clay | 40 % Bedrock |
|-------------|-------------|--------|--------|------------|--------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

| |
|---------------|
| 80% of algae. |
|---------------|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|--|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC: AD

WBID # 859 Site # 701

5

Date: 07/19/2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

N/A

WBID # 859 Site # 701

6

Date: 07/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 859 Site # 702Date: 07/19/2006

3

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization – 1 of 3**

(A separate Data Sheet B must be completed for each site)

| | | |
|---------------------------------------|-------------|-------------------|
| Latitude (ddd.dddd): <u>38.71480</u> | | Arrival Time: |
| Longitude (ddd.dddd): <u>93.26355</u> | | <u>1245</u> |
| Photo Ids: Upstream: | Downstream: | Other: |
| <u>1205</u> | <u>1206</u> | <u>1207, 1208</u> |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)~ 70 m DS of main street bridge crossing.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>WWTP</u> | |

Human Uses Observed*:

| | | | | |
|--|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) | | | | |

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>Trash (1207, 1208)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)Trash (1207, 1208)

DC:AD

WBID # 859 Site # 702

4

Date: 07/19/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input checked="" type="checkbox"/> Run | 60 | 1.4m | 10 | 0.1 | 0.14 |
| <input type="checkbox"/> Pool | | | | | |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): 0.22 m/s | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 90 | 3 | 20 | 0.05 | 0.1 |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): 0.05 m/sec | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|------------|------------|--------|--------|------------|-------------|
| 25% Cobble | 45% Gravel | % Sand | % Silt | % Mud/Clay | 30% Bedrock |
|------------|------------|--------|--------|------------|-------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

| |
|----------------------------------|
| Abundant amounts of algae ~ 70%. |
|----------------------------------|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---|--|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input checked="" type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC: AD

WBID # 859 Site # 702

5

Date: 07/19 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 859 Site # 702

6

Date: 07/19/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 859 Site # 703Date: 07/19/2006

3

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization – 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|---------------------------------------|-------------------------|
| Latitude (ddd.dddd): <u>38.71419</u> | Arrival Time: |
| Longitude (ddd.dddd): <u>93.26294</u> | <u>1230</u> |
| Photo Ids: Upstream: <u>1201</u> | Downstream: <u>1202</u> |
| Other: <u>1203, 1204</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)at Main Street bridge crossing.**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|--------------------------------------|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>WWTP</u> | |

Human Uses Observed*:

| | | | | |
|--|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |
| Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) | | | | |

Evidence of Human Use*:

| | | | | |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>Trash (1204), run off ditch (1203)</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)Trash (1204), run off ditch (1203)

QC: AD

WBID # 859 Site # 703

4

Date: 07/19/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 20 | 6.5 | 10 | >1 | >1 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions:

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|--|--------------------------------|-----------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | 25 | 2.6 | 15 | 0.2 | 0.3 |
| <input checked="" type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|------------|------------|----------|--------|------------|-------------|
| 25% Cobble | 25% Gravel | 10% Sand | % Silt | % Mud/Clay | 40% Bedrock |
|------------|------------|----------|--------|------------|-------------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

| |
|---|
| Floating and attached algae pretty abundant. (80%) |
|---|

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|--|--|---------------------------------|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

QC: AD

WBID # 859 Site # 703

Date: 07/19/2006

5

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 859 Site # 703

Date: 07/19/2006

6

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID# 0859



Site# 698 Photo ID# 0782, Upstream



Site# 698 Photo ID# 0783, Downstream



Site# 698 Photo ID# 0784, Fence



Site# 699 Photo ID# 0775, Upstream

WBID# 0859



Site# 699 Photo ID# 0776, Downstream



Site#699 Photo ID# 0777, No trespass sign



Site# 699 Photo ID# 0778, Trash



Site# 700 Photo ID# 0779, Upstream

WBID# 0859



Site# 700 Photo ID# 0780, Downstream



Site# 700 Photo ID# 0781, Fence



Site# 701 Photo ID# 1209, Upstream



Site# 701 Photo ID# 1210, Downstream

WBID# 0859



Site# 701 Photo ID# 1212, Trash



Site# 702 Photo ID# 1205, Upstream



Site# 702 Photo ID# 1206, Downstream



Site# 702 Photo ID# 1207, Trash

WBID# 0859



Site# 702 Photo ID# 1208, Trash



Site# 703 Photo ID# 1201, Upstream



Site# 703 Photo ID# 1202, Downstream



Site# 702 Photo ID# 1203, Trash

WBID# 0859



Site# 703 Photo ID# 1204, Trash